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### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

O'NEILL et al

Atty. Ref.: 36-1675; Confirmation No. RECEIVED

Appl. No. 10/018,488

Group: 2681

DEC 1 1 2003

Filed: December 19, 2001

Examiner:

Technology Center 2600

For: TELECOMMUNICATIONS ROUTING

\* \* \* \* \* \* \* \* \*

December 10, 2003

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

# PRELIMINARY AMENDMENT AND INFORMATION DISCLOSURE STATEMENT

In order to place the above-identified application in better condition for examination, please amend the application as follows:

O'NEILL et al Appl. No. 10/018,488 December 10, 2003

### **AMENDMENTS TO THE SPECIFICATION:**

Please add the following new paragraph at page 1, before line 1:

### --RELATED APPLICATIONS

This application is related to the following co-pending commonly assigned applications:

Serial No.	<u>Filed</u>	<u>Title</u>	<u>Inventors</u>
10/018,485	December 19, 2001	Telecommunications	O'Neill & Corson
		Routing	
10/018,486	December 19, 2001	Telecommunications	O'Neill & Corson
		Routing	
10/204,213	April 11, 2003	Telecommunications	Corson &O'Neill
		Routing	·
10/381,939	March 31, 2003	Telecommunications	O'Neill & Corson
		Routing	
10/398,235	April 3, 2003	Telecommunications	O'Neill & Corson
		Routing	
10/398,240	April 3, 2003	Telecommunications	O'Neill & Corson
		Routing	
10/468,236	August 18, 2003	Communications	Corson & O'Neill
		Network	
10/468,351	August 18, 2003	Communications	O'Neill & Corson
		Network	

#### **REMARKS/ARGUMENTS**

Attention is directed to the above-identified related applications and to all prior art cited therein. To the extent not already cited herein, such prior art currently of record is hereby cross-cited as identified in the attached Form PTO-1449 and a copy of each such additional reference is also attached. Careful consideration of each such reference is requested.

Respectfully submitted,

NIXON & VANDERHYE P.C.

Bv:

arry S. Nixor

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Atty. Docket No. Serial No.

INFORMATION DISCLOSURE

36-1675 Applicant

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	THADENER THADEN		U.S. PATENT DOCUMENTS			
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,130,898	10/2000	KOSTRESKI, et al.		_	-
	6,038,450	03/2000	BRINK, et al.			
	6,002,677	12/1999	JAVITT, et al.			
	5,822,324	10/1998	KOSTRESKI, et al.			
	5,754,546	05/1998	VOIT et al.			
	5,751,707	05/1998	VOIT, et al.			
	5,729,549	03/1998	KOSTRESKI, et al.			
	5,533,026	07/1996	AHMADI, et al.	<u> </u>		
	5,528,583	06/1996	ACAMPORA, et al.			
	5,384,826	01/1995	AMITAY			
	5,375,140	12/1994	BUSTAMANTE, et al.			-
	5,371,738	12/1994	MOELARD, et al.			
	5.117.422	05/1992	HAUPTSCHEIN, et al.			

#### **FOREIGN PATENT DOCUMENTS**

TRANSLATION **DOCUMENT** DATE COUNTRY **CLASS SUBCLASS** YES NO 00/44133 07/2000 wo 98/47302 10/1998 WO 96/28904 09/1996 wo 96/28903 09/1996 WO WO 96/05704 02/1996 11178036 07/1999 JP 10093634 04/1998 Л 0 902 551 03/1999 EP 0 889 667 01/1999 EP 0 883 266 12/1998 EP 0 862 344 09/1998 EP 04/1998 EP 0 835 034 03/1998 0 829 985 EP EP 0 777 396 06/1997 0 740 440 10/1996 EP 0 737 019 10/1996 EP 0 660 632 06/1995 EP 1011241 06/2000 EP 5,424,696 10/1996 AU 10/1996 AU 5,424,496

*Examiner	Date Considered	

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e several sheets if necessary) Technology Center 2600 OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) Tutorial: Mobile Networking Through Mobile IP", Charles E. Perkins, IEEE Internet Computing Oneline, 1997. IP Micro-Mobility Support Using HAWAII", R. Ramjee, T. La Porta, S. Thuel, K. Varadhan, 19 February 1999, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-rimjee-micro-mobilityhawaii-00.txt. "A Highly Adaptive Distributed Routing Algorithm for Mobile Wireless Networks" Vincent D. Park and M Scott Corson, Proceedings of INFOCOM '97, April 7-11, Kobe, Japan. "A Performance Comparison of the Temporally-Ordered Routing Algorithm and Ideal Link-State Routing" Vincent D Park and M Scott Corson, Proceedings of ISCC '98, 30 June -2 July, 1999. 'Architectural Considerations for Mobile Mesh Networking", S. Corson et al, May 1996. "Highly Dynamic Destination-Sequenced Distance-Vector Routing (DSDV) for Mobile Computers:, Charles E, Perkins et al., ACM SIGCOMM 1994. "Providing Continuous Network Access to Mobile Hosts using TCP/IP", Charles Perkins, Computer Networks and ISDN Systems vol. 26 (1993), pp 357-369. "Cellular IP - A New Approach to Internet Host Mobility", A.G. Valko, January 199, ACM Comput. Commun. Review. "Hawaii: A Domain-based Approach for Supporting Mobility in Wide-Area Wireless Networks", R. Ramjee, T. La Porta, S. Thuel, and K. Varadhan, Proceedings of the International Conference on Networking Protocols (ICNP), 3 November 1999, pp. 283-292. "A protocol for seamless communication in a picocellular network", R. Ghai and S. Singh, May 1994, In Proc. IEEE Supercomm/ICC, pp. 192-196. "Multicast Communications—Protocols and Applications", Ralph Wittman, Martina Zitterbart, 12 May 2000, Morgan Kaufman Publishers, San Diego, pp. 105-121. "An Effective Spanning Tree Algorithm for a Bridged LAN", N.F. Huang and Y.C. Cheng, March 1992, International Workshop on Advanced Communications and Applications for High Speed Networks (IWACA '92), Munich, Germany, pp. 43-49. "Edge Mobility Architecture", A. O'Neill, G. Tsirtis, S. Corson, July 2000, posted on http://www.comet.columbia.edu/micomobility/pub/draft-oneill-ema-02.txt. 'A two-phase inter-switch handoff scheme for wireless ATM Networks", K. Salah, E. Drakoponios, October 1998, IEEE ATM 98 Workshop Proceedings, pp. 708-713. "Adaptive Routing in Burroughs Network Architecture", J. Rosenberg, 17 August 1987, Computer Communications Review, US Association for Computing Machinery, Vol. 17, No. 5, pp. 173-184. "Paging Support for IP mobility using HAWAII", R. Ramjee, T. La Porta, L. Li, 25 June 1999, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-ietf-mobileip-paging-hawaii-00.txt. "P-MIP: Minimal Paging Extensions for Mobile IP", X. Zhang, J. Castellanos, A. Campbell, K. Sawada, M. Barry, July 20000, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-zhang-pimp-"Source-Specific Multicast for IP", H. Holbrook, B. Cain, 9 March 2000, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-holbrook-ssm-00.txt. "Cellular IP", A. Campbell, J. Gomez, C-Y Wan, S, Kim, Z. Turanyi, A. Valko, December 1999, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-ietf-mobileip-cellularip-00.txt. "Host Specific Routing", Alan O'Neill, Hongyi Li, November 2000, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-oneill-li-hsr-00.txt. "State Transfer between Access Routes during Handoff", A. O'Neill, G. Tsirtsis, S. Corson, August 2000, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-oneill-handoff-state-00.txt. "IPv4 over Mobile IPv6 for Dual Stack nodes", G. Tsirtsis, A. O'Neill, S. Corson, August 2000, posted on the Internet Engineering Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-tsirtsis-v4-over-mipv6-00.txt.

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	<u>6/</u>	"Generalized IP Handoff", A. O'Neill, G. Tsirtsis, S. Corson, August 2000, posted on the Internet Engineering Taskforce
TA TRADEMA	<b>:</b> /.	Internet site at http://www.ietf.org/internet-drafts/draft-oneill-craps-handoff-00.txt.
A IHVO		"EMA Enhanced Mobile IPv6/IPv4", O'Neill, G. Tsirtsis, S. Corson, July 2000, posted on the Internet Engineering
• •		Taskforce Internet site at http://www.ietf.org/internet-drafts/draft-oneill-ema-mip-00.txt.
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		"On dynamically adapting registration areas to user mobility patterns in PCS networks", G. Varsamopoious, S.K. Gupta, September 1999, In Proc. Int'l Workshop on Collaboration and Mobile Computing (IWCMC'99), Aizu, Japan.
		"Mobile user registration in cellular systems with overlapping location areas", D. Gu and S.S. Rappaport, May 1999, Proceedings of the 50 <sup>th</sup> Vehicular Technology Conference, pp. 802-806.
		"Extending Mobile IP with adaptive individual paging: a performance analysis", C. Castelluccia, 2000, In Proc. IEEE Symposium on Computer and Communications, pp. 113-118.
		"A hierarchial multiresolution registration structure for mobility tracking", L. Tassiulas, F. Anjum, September 1996,
		Proceedings of the 5 <sup>th</sup> International Conference on Universal Personal Communications, Boston, MA.
		"Distributed algorithms for generating loop-free routes in networks with frequently changing topology", E. Gafni, D. Bertsekas, January 1981, IEEE Transactions on Communications, Vol. 29 No. 1, pp. 11-18.
		"Location tracking mechanisms for optimal mobility adaption", L. Tassiulas and F.M. Anjum, October 1996, 34th Annual Allerton Conf. On Communications, Control and Computing, pp. 855-864.
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